

SOV/122-59-4-5/28.

Experimental Relations for the Determination of Friction
Coefficients in the Tooth Contact of Gear Wheels

shear strength of the oil corresponding to a friction coefficient of 0.08 at one end and the breakdown of the thickness of the oil layer corresponding to a friction coefficient of 0.02. Between these values the formula is said to represent the friction between gear teeth within an accuracy of 15%, either way.

There are 1 figure, 1 table and 3 Soviet references.

Card 3/3

PHASE I BOOK EXPLOITATION SOR/5053

Vsesoyuznaya konferentsiya po treniyu i iznosu v mashinakh. 3d.
Iznos i iznosostorozhestvo. Antifrictionnye materialy (Ner and
Wear Resistance. Antifriction Materials). Moscow, Izd-vo AN
SSSR, 1960. 273 p. Errata slip inserted. 3,500 copies printed.
(Series: Its; Trudy, v. 1)

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.
Resp. Ed.: N. M. Khrushchov, Professor, Rza. of Publishing
House; N. Ya. Klebanov, and S. L. Orpik; Tech. Ed.:
T. V. Polyakova.

PURPOSE: This collection of articles is intended for practicing
engineers and research scientists.

COVERAGE: The collection, published by the Institut mashinovedeniya,
AN SSSR (Institute of Science of Machines, Academy of Sciences
of USSR) contains papers presented at the III Vsesoyuznaya Kon-
ferentsiya po treniyu i iznosu v mashinakh (Third All-Union
Conference on Friction and Wear in Machines) which was held
April 9-15, 1958. Problems discussed were in 5 main areas:
1) Hydrodynamic Theory of Lubrication and Friction Bearings;
2) Mechanics of Wear; 3) Doctor of Technical Sciences, and
4. K. D'yachkov, Doctor of Technical Sciences; 2) Lubrication and
and Lubricating Materials (Chairman: G. V. Vinogradov, Doctor of
Chemical Sciences); 3) Dry and Boundary Friction (Chairmen:
B. V. Derzhin, Corresponding Member of the Academy of Sciences
of USSR, and I. V. Kruglovskiy, Doctor of Technical Sciences);
4) Wear and Wear Resistance (Chairman: M. M. Kravtsov,
Doctor of Technical Sciences); and 5) Friction and Trib-
ition Materials (Chairman: I. V. Kazaglyakov, Doctor of Tech-
nical Sciences, and M. M. Kravtsov, Doctor of Technical
Science). Chairman of the General assembly (on the first and
last day of the conference) was Academician A. A. Blagonravov.
L. Yu. Frunzhevskiy, Candidate of Technical Sciences, was sci-
entific secretary. The transactions of the conference were
published in 3 volumes, of which the present volume is the
first. This volume contains articles concerning the wear and
wear resistance of antifriction materials. Among the topics
covered are: modern developments in the theory and experi-
mental science of wear resistance of materials, specific data
on the wear resistance of various combinations of materials,
methods for increasing the wear resistance of certain materials,
the effects of friction and wear on the structure of materials,
the mechanics of the seizing of metals, the effect of various
types of lubricating materials on seizing, abrasive wear or a
wide variety of materials and components under many different
conditions, modern developments in antifriction materials, and
the effects of finish machining on wear resistance. Many per-
sonalities are mentioned in the text. References accompany most
articles.

Yankovich, V. P. Increasing the Wear Resistance of Steel
by Means of Treatment by a Flow of Compressed High-Tem-
perature Gases

93

2. Seizing of Metals. Structural Changes in Metals
Due to Friction. Mechanical Properties of Metals.
Ambinder, J. B., and A. S. French. On the Mechanism of
the Formation and Breakdown of Tripping in the Case of
Friction of Metals

Vinogradov, Yu. M. Effect of Sulfides on the Friction and
Wear of Metals

Gentin, M. D., M. Z. Kuz'min, and Yu. A. Mikhaylov.
Investigation of the Seizing of the Surface of Steel Rollers

Zelenin, N. D., and Yu. A. Mikhaylov. Method for Testing
the Lubricating Capacity of Oils in a Gear Box

99

105

115

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Card 6/13

7

ACC NR: AP7005845

(A)

SOURCE CODE: UR/0122/67/000/001/0045/0047

AUTHORS: Tverdokhleb, V. G. (Engineer); Kuz'min, N. F. (Candidate of technical sciences, Docent);

ORG: none

TITLE: Slip bearings of AST-T plastic and of its compositions

SOURCE: Vestnik mashinostroyeniya, no. 1, 1967, 45-47

TOPIC TAGS: bearing material, antifriction bearing, wear resistance, friction coefficient, plastic, bronze/ AST-T plastic, Br. OTsS 6-6-3 bronze

ABSTRACT: The results of tests of slip bearings with bushings of AST-T plastic are discussed. The bearings operated in oil on a test bench with three working friction sections. The AST-T plastic contained fillers of S-1 colloidal graphite, barium sulfate, zinc oxide, and talc. For comparison, bushings of Br. OTsS 6-6-3 bronze were also studied. It was found that increasing the filler content above 5--10% caused practically no improvement in the antifriction properties of the bushings (see Fig. 1). The wear resistance and bearing capacity of the AST-T bearings applied to the GA-301 pump were tested. The resistance of AST-T was found to be 1.64 times greater than that of capron. After 1200 hrs of operation in oil, the bearing capacity of the AST-T bearings was no less than that of the capron and bronze ones.

Card 1/2

UDC: 621.822.5:678.5

ACC NR: AP7003845

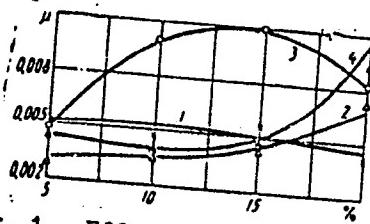


Fig. 1. Effect of filler in AST-T plastic on friction coefficient μ :
1 - talc; 2 - zinc oxide; 3 - graphite; 4 - barium sulfate

Orig. art. has: 5 graphs and 1 diagram.
SUB CODE: 13,11 / SUBM DATE: none / ORIG REF: 004

Card 2/2

KUZ'MIN, N. G.

KUZ'MIN, N. G. -- "Investigation of the Forces of Friction in the Contact of Lubricated Steel Surfaces During Rolling With Slipping (Applicable Under Operating Conditions of Gears".) Sub 3 May 52, Moscow Order of Labor Red Banner Higher Technical School inani Roman. (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January-December 1952

PYSHKIN, I.P.; VOPILKIN, V.A.; KUZ'MIN, N.G.

Overall mechanization in the erection and repair of overhead communication lines. Vest. sviazi 20 no. 12:7-9 D '60.

(MIRA 13:12)

1. Odesskiy elektrotekhnicheskiy institut svyazi.
(Electric lines--Overhead) (Chain saws)

KUZ'MIN, N.G.; MALYUSCV, V.A.

High-speed wetted-wall rectification. Basic relationships of
mass transfer during rectification in single tubes. Khim. prom.
no.5:351-357 My '64. (MIRA 17:9)

MALYUSOV, V.A.; MALAFEEV, N.A.; KUL'MIN, N.G.; ZHAVORONKOV, N.M.;
Prinimala uchastiliye POGGEMEZA, 1971.

Studying high-speed uniflow rectification in a multistage
tubular apparatus. Khim. prom. no.6:458-461 Je '64. (MIRA 18:7)

GRIGOR'YAN, G.S., prof.; KISTANOV, Ya.A., prof.; FEFILOV, A.I., dots.;
GENKINA, L.S., dots.; VASIL'YEV, S.S., dots.; SEREBRYAKOV, S.V.,
prof.; DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dots.; GOGOL',
B.I., doktor ekon. nauk; SMOTRINA, N.A., dots.; KULIKOV, A.G.,
prof.; KUZIN, N.I., dots. [deceased]; AVETISYAN, Ye., red.;
MUKHIN, Yu., tekhn. red.

[Economics of Soviet trade] Ekonomika sovetskoi torgovli;
uchebnik. 2., dop. izd. Moskva, Politizdat, 1963. 519 p.
(Russia--Commerce) (MIRA 16:12)

KUZ'MIN, N.I.; ROMEYKO, V.P.

Cabs of the new motor vehicles manufactured by the Minsk Automobile Plant. Avt.prom. no.9:32-33 S '61. (MIRA 14:9)

1. Minskiy avtozavod.

(Minsk--Motor vehicles)

11(4) SOV/118-59-3-21/22
AUTHOR: Kuz'min, N.I., and Mikhaylov, F.I., Engineers
TITLE: Elastic Containers for Liquid Loads (Elastichnyye kontey-
nery dlya zhidkikh gruzov)
PERIODICAL: Mekhanizatsiya i avtomatzatsiya proizvodstva, 1959,
Nr 3, pp 61-63 (USSR)
ABSTRACT: This article briefly surveys types of elastic containers
used for transporting oil products in certain Western
countries including Sweden and Great Britain. There are
4 photographs and 2 diagrams.

Card 1/1

SOSUNOV, Nikolay Alekseyevich; GRUNENYSHEV, Nikolay Aleksandrovich;
KUZ'MIN, Nikolay Ivanovich; POMYKANOV, Nikolay Nikolayevich;
SHCHEGOLEV, A.F., red.; GROMOV, N.D., red. izd-va;
VAYNSHTEYN, Ye.B., tekhn. red.

[Mechanization of loading and unloading operations in transportation; review based on the materials of a thematic exhibition]
Mekhanizatsiya pogruzochno-razgruzochnykh rabot na transporte;
obzor po materialam tematicheskoi vystavki. Moskva, Gos.nauchno-
tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1962.
(MIRA 15:3)
223 p.

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR.
(Loading and unloading)

KUZ'MIN, M. L.

Kuz'min, M. L. - "Calculation of frames by the method of given moments," Sbornik trudov Stroit. in-ta Mosh. soveta, Issue 2, 1948, p. 176-27

SO: U-3600, 10 July 53. (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

KUZMIN, N. L.

Technology

Problems on the theory of construction (structural mechanics); part 1 - problems; part 2 - solutions
Moskva, Gos. izd-vo stroit. lit-ry, 1950

• Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 101 (USSR) SOV/124-58-2-2218

AUTHOR: Kuz'min, N. L.

TITLE: A Simplified Method for the Solution of Frame Problems in Terms of Deformations (Uproshchennyi metod resheniya ram v deformatsiyakh)

PERIODICAL: V sb.: Issledovaniya po teorii sooruzheniy. Nr 7, Moscow, Gosstroyizdat, 1957, pp 495-510

ABSTRACT: The paper develops the idea of Van Guan-yuan' (Kharbin Polytechnic Institute, Chinese People's Republic), arriving at the use of a more highly developed fundamental system than the usual one. The special characteristic of the simplification proposed here consists in the fact that a part of the unknown quantities is eliminated at the stage of the establishment of the canonical system of equations. As compared with the classical method the elimination of the part of the unknown quantities consumes additional time (construction of several auxiliary curves and computations). At the end of the paper the author provides a method for the calculation of multi-story multi-bay frames for three cases, when the influence of displacements is insignificant. The loads are divided into groups that act upon adjacent spans. The influence of these

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SOV/124-58-2-2218

A Simplified Method for the Solution of Frame Problems (cont.)

loads on the bending moments in the more remote beams is small. Therefore, the rotations of only the nearest joints are considered. Summation is performed at the concluding stage of the calculation. A similar method is employed in the solution of infinite regular systems of equations with the use of abbreviated systems [Kantorovich, L. V., Krylov, V. I., Priblizhennyye metody vysshego analiza (Approximate Methods of Higher Analysis). Moscow-Leningrad, Gostekhizdat, 1949, paragraph 2, p 30].

L. K. Narets

Card 2/2

PHASE I BOOK EXPLOITATION SOV/5422

Kuz'min, Nikolay Leonidovich, Candidate of Technical Sciences, Peter Andreyevich Lukash, Candidate of Technical Sciences, and Iosif Yefimovich Mileykovskiy, Candidate of Technical Sciences.

Raschet konstruktsiy iz tonkostennykh sterzhney i obolochek (Construction Designs From Thin-Walled Shafts and Casings) Moscow, Gosstroyizdat, 1960. 260 p. Errata slip inserted. 7,000 copies printed.

Scientific Ed.: N.N. Leont'yev, Candidate of Technical Sciences; Ed. of Publishing House: N.M. Khalafyants; Tech. Ed.: Ye. K. Garnukhin.

PURPOSE: This book is intended for construction engineers, project planners and designers, students and aspirants at construction schools of higher education.

COVERAGE: The book discusses problems dealing with the strength, stability, and vibration of thin-walled bars and shells. The theory of thin-walled bars and the variation method established by B.Z. Vlasov are described. Particular attention is given to practical computations methods, and numerous examples are given. Ch. 1 was written by N.L. Kuz'min, Ch. 2 by P.A. Lukash, Ch. 3 by I.Ye. Mileykovskiy. No personalities are mentioned. There are 8 references, all Soviet.

Card 1/5

KUZ'MIN, N.L., kand. tekhn. nauk; REKACH, V.G., doktor tekhn. nauk;
ROZENBLAT, G.I., kand. tekhn. nauk; RABINOVICH, I.M., red.;
GORYACHEVA, T.V., red.izd-va; KOMAROVSKAYA, L.A., tekhn.red.

[Collection of problems for a course in structural mechanics;
pt. I - Problems, Pt.II - Answers and solutions] Sbornik zadach
po kursu stroitel'stoi mekhaniki; ch.I - Zadachi, ch.II - Otvety
i resheniya. Pod red. I.M.Rabinovicha. Izd.2., perer. Moskva,
Gosstroizdat, 1962. 331 p. (MIRA 16:2)

1. Chlen-korrespondent Akademii nauk SSSR, deystvitel'nyy chlen
Akademii stroitel'stva i arkhitektury SSSR (for Rabinovich).
(Structures, Theory of)

BELYAYEV, V.P.; KALINACHENKO, V.N.; KUZMIN, N.M.; YAKIMENKO, L.M.;
ARSHINOVICH, V.I.; RUEENCHIK, Yu.I.; SLEVKOV, I.G.;
SHKLOVER, L.P.; BURAVLEV, Yu.M.; PEROPELKINA, M.A.;
USTINOV, V.I.; NEUYMINA, G.P.; ENGEL'SHT, V.S.; TRAPITSYN, N.F.;
BULANOV, Yu.A.

Exchange of experience. Zav.lab. 28 no.6:685-687 '62.

(MIRA 15:5)

1. Khimicheskiy zavod imeni Voykova (for Shklover). 2.
Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov
(for Buravlev, Peropelkina, Ustinov, Neuymina). 3. Kirgizskiy
gosudarstvennyy universitet (for Engel'sht, Trapitsyn, Bulanov).
(Spectrum analysis)

KUZ'MIN N.M.; BELYAYEV, V.P.; KALINACHENKO, V.R.; YAKIMENKO, L.M.

Chemical-spectral method of the analysis of high-purity
alkalies. Zav. lab. 29 no.6:691-692 '63. (MIRA 16:6)

(Alkalies) (Spectrochemistry)

ZOLOTOV, Yu.A.; KUZ'MIN, N.M.; LAMBREV, V.G.

Extraction of inner-complex compounds in the presence of salts. Part 1;
Extraction of hydroxyquinolinates from solution having the high content
of potassium chloride and sodium iodide. Trudy Kom. anal. khim. 15:51-58

KUZ'MIN, Nikolai Mikhaylovich.

My work practice on a vertical lathe Moskva Profizdat, 1953. 76 P.
(Novatory sotsialisticheskogo proizvodstva) (54-38774)

TJ1218.K85

KUZ'MIN, Nikolay Mikhaylovich, laureat Stalinskoy premii, tokar' zavoda
"Krasnyy proletariy" imeni A.I.Yefremova; CHERNOV, A.L., redaktor;
ISLENT'YEVA, P.G., tekhnicheskiy redaktor.

[Rapid metal cutting and the growth of labor productivity in
machine building] Skorostnoe rezanie metallov i povyshenie pro-
izvoditel'nosti ruda v mashinostroenii. Moskva, Izd-vo "Znanie",
1955. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniu poli-
ticheskikh i nauchnykh znanii. Ser.4, no.33) (MLRA 8:11)
(Machinery industry) (Metal cutting)

KUZ'MIN, Nikolay Mikhaylovich, tokar'-karusel'shchik; GUROV, S., redaktor;
MOVLEVA, Ye., tekhnicheskiy redaktor

[At high speed and with large feed] Na vysokikh skorostях и бол'-
shikh podachakh. [Moskva] Moskovskii rabochii, 1956. 71 p. (MLRA 9:8)

1. Zavod "Krasnyy proletariy" (for Kuz'min)
(Machine-shop practice) (Metal cutting)

ZUBKOV, I.I., kand. tekhn. nauk; ROMANOV, A.P., kand. tekhn. nauk;
TETEREV, M.N., kand. tekhn. nauk; UGRYUMOV, A.N., kand. tekhn. nauk;
KUZ'MIN, N.N., inzh. (g. Leningrad)

"Aspects of railroad operation. Zhel. dor. transp. 41 no.1:94-96
Ja '59. " (MIRA 12:1)
(Railroads)

KUZ'MIN, Nikolay Nikolayevich; NARUSOVA, I.Ya., red.; DOTSENKO,
A.A., tekhn. red.

[Harmonious development of a man] Garmonicheskoe razvitiye
cheloveka. Moskva, Fizkul'tura i sport, 1963. 67 p.
(MIRA 17:2)

Kuz'min, N. P.

USSR/Chemical Technology -- Chemical Products and Their Application. Mineral Salts. Oxides. Acids. Bases, I-5

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1400

Author: Kuz'min, N. P.

Institution: All-Union Science Research Institute of the Salt Industry

Title: Production of High-Quality Baskunchak Salt by Purification

Original Periodical: Tr. Vses. n.-i. in-ta solyanoy prom-sti, 1954, No 1, 4-31

Abstract: The results from experiments (in the pilot plant with a capacity of 6 t/hr) on the purification of Baskunchak salt from 0.5-0.8% muddy impurities (giving the salt a dirty yellow color) to an impurity content of 0.04-0.05% are presented. Table salt is obtained by the purification of the salt by washing the crushed salt (particle size 0.8-1.2 mm) with brine. A method has been developed for the production of high-quality table salt from Baskunchak and other salts. The economic feasibility of the construction of plants in the consumer regions is also shown.

Card 1/2

USSR/Chemical Technology -- Chemical Products and Their Application. Mineral Salts. Oxides. Acids. Bases, I-5

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1400

Abstract: The need for the establishment of a whiteness scale for table salt is pointed out. Also noted is the importance of subjecting the salt to a size classification in order to improve its appearance.

Card 2/2

KUZ'MIN, N.P., kand.tekhn.nauk

New cyclone wetted-wall evaporator used for concentrating
aluminate solutions by boiling. Khim.mash. no.2:1-4 Mr.Ap
'60. (MIRA 13:6)

(Evaporating appliances)
(Aluminates)

KUZ'MIN, N.P.

Highly effective vertical, louvered spray trap for evaporators.
TSvet. met. 36 no.5:82-84 My '63. (MIRA 16:10)

KUZ'MIN, N.P.; SOROKIN, Yu.L.; ROYzman, A.Ye.

Methodology of designing separators in evaporating units.
TSvet. met. 38 no.2:59-64 F '65. (MIRA 18:3)

KUZ'MIN, N. S.

SAMRINA, V. K., - arkh, i KUZ'MIN, N. S. - Kand. arkh.

Nauchno-issledovatel'skiy institut sel'skogo i kolkhoznogo stroitel'stva
Akademii arkitektury SSSR.

Opyt Stroitel'stva Zhilykh Domov Kolkhoznikov iz Kирpichno-Samannykh Blokov.
Page 77

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950, Moscow, 1951

KUZ'MIN, N. S.

Experimental building of adobe dwellings. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkitekture, 1951. 66 p. (52-30329)

TH1421.K8

TOPCHIY, Dmitriy Nikitich; NIKANDROV, B.I., inzh., retsenzent; KUZ'MIN,
N.S., kand. arkitektury, dots., retsenzent; ZUBKOVA, M.S., red.
izd-va; GOL'BERG, T.M., tekhn. red.

[Agricultural buildings and structures] Sel'skokhoziaistvennye
zdaniia i sooruzheniya. Izd.2., perer. i dop. Moskva, Gos-
stroizdat, 1962. 398 p. (MIRA 15:12)

1. Direktor Gosudarstvennogo instituta po proyektiroganiyu sel'-
skokhozyaystvennykh sooruzheniy (for Nikandrov). 2. Rukovoditel'
kafedry promyshlennyykh, grazhdanskikh i sel'skokhozyaystvennykh
sooruzheniy Novosibirskogo inzhenerno-stroitel'nogo instituta
(for Kuz'min).

(Farm buildings)

GURVICH, A.M., professor, doktor tekhnicheskikh nauk; KUZ'MIN, N.V.,
kandidat tekhnicheskikh nauk.

Degree of black surface in grate-type furnaces. Teploenergetika
2 no.11:16-19 N '55. (MLRA 9:1)

1.Tsentral'nyy ketleturbinnyy institut.
(Furnaces) (Heat--Radiation and absorption)

Kuz'min, N. V.

137-1957-12-24194

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 185 (USSR)

AUTHOR: Kuz'min, N. V.

TITLE: Electrical Slag Welding of Low-carbon Steel Parts
(Eletroshlakovaya svarka detaley iz malouglerodistoy stali)

PERIODICAL: V sb.: Raboty M-va elekrotekhn. prom-sti SSSR po mekhaniz.
i avtomatiz. mar. s. kh-a. Vol 2, Moscow, 1956, pp 150-153

ABSTRACT: The plant "Elektrosila" has adopted an electrical slag welding process (ESW) for low-carbon discs 40-140 mm thick and having a 2200-4800 outside diameter. The welding of discs from two half-rings is accomplished by means of the automatic unit A-372 (700-750 amp. a.c.) which employs 1-2 welding wires of SV-08 steel 3 mm in diameter, in the presence of AN-348 flux; the parts involved are held in a vertical position by means of two fixtures. The mechanical properties of the seams (σ_b 40-45 kg/mm² and φ 180°) meet the requirements necessary for parts intended for electrical machines of welded construction. The ESW is 2.8 times less expensive than the automatic welding performed by the ADS-1000-2 unit, and 5.3 times less expensive than welding performed manually with the employ-

Card 1/2

137-1957-12-24194

Electrical Slag Welding of Parts From Low-carbon Steel

ment of OMM-5 electrodes. Techniques for the assembly and for the ESW of discs are presented, also operating conditions of detailed technical and economic data for manual welding with OMM-5 electrodes, welding by means of the automatic ADS-1000-2 unit, and the ESW with the automatic A-372 unit. For welded constructions fabricated by means of ESW, killed low-carbon steel is recommended.

V. S.

1. Steel-Arc welding
2. Steel-Submerged melt welding
3. Submerged melt welding-Applications

Card 2/2

KUZ'MIN, N.V., kandidat tekhnicheskikh nauk; ZORICHEV, V.D.

Letter to the editor. Teploenergetika 3 no.12:58-59 D '56.
(MLRA 9:12)

1. Nachal'nik otdela maloy energetiki TSentral'nogo kotloturbina-
nogo instituta (for Kuz'min). 2. Glavnyy inzhener Biyskogo kotel'-
nogo zavoda (for Zorichev).
(Boilers)

KUZ'MIN, Nikolay Vasil'yevich, kand. tekhn. nauk; SHATSILLO, O.I., red.;
PREOBRAZHENSKIY, D.P., red. izd-va; GIVITS, V.L., tekhn. red.

[Ways of improving the operational and economic efficiency of low-pressure boiler systems] Puti povysheniia proizvoditel'nosti i ekonomichnosti kotel'nykh ustanovok nizkogo davleniya. Leningrad, 1961. 37 p. (Leningradskii Dom nauchno-tehnicheskoi propagandy. Obmen peredovym opytom. Seriia: Energetika, no.6) (MIRA 14:9)
(Boilers)

SIL'NITSKIY, Aleksandr Konstantinovich, prof.; KUZ'MIN, N.V., red.; FO-MICHEV, A.G., red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Maintaining the efficiency of industrial boiler rooms; survey of operating procedures] Podderzhanie ekonomichnosti promyshlennnykh kotel'nykh. Ekspluatatsionnye meropriiatiiia. Obzor. Leningrad, 1961. 53 p.

(MIRA 14:7)

(Boilers)

KUZ'MIN, N.V., inzh.

Surface cutting with natural gas and oxygen. Energomashinostroenie
9 no.1:33-34 Ja '63. (MIRA 16:3)
(Gas welding and cutting)

NARYCHEV, A.A.; KUZ'MIN, N.V.; BABINA, E.V. (Moskva)

Case of gastric parithelioma. Arkh. pat. 27 no.9:71-73 '65.
(MIRA 18:12)

I. Kafedra fakul'tetskoy khirurgii (zav.- prof. N.N. Yelanskiy
[deceased]) i kafedra patologicheskoy anatomii (zav.- chlen-
korrespondent AMN SSSR prof. A.I. Strukov) I Moskovskogo ordena
Lenina meditsinskogo instituta imeni I.M. Sechenova. Submitted
July 14, 1964.

ORLOVA, Vera Mikhaylovna; KUZ'MIN, O.

[High production of polished glass by one polishing machine] Vysokie s"emy polirovannogo stekla s odnogo stanka. [Literaturnaia zapis' O.Kuz'mina] Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1952. 25 p. (MLRA 6:7)
(Glass manufacture)

KUZ'MIN, O.
ORLOV, A.; KUZ'MIN, O.

Resurrected features. Znan, sila 32 no.3:44 Mr '57. (MIRA 10:6)
(Gerasimov, Mikhail Mikhailovich)

KUZ'MIN, P., polkovnik

Barrage fire. Voen. vest 43 no.1:69-71 Ja '64.

(MIRA 17:1)

KUZ'MIN, Petr Aleksandrovich; STAVROVSKIY, A.Ye., redaktor; PROFEBANSOVA,
N.V., redaktor; GOROKHOV, Yu.N., tekhnicheskiy redaktor

[The school and agriculture; work practice of schools in Barysh
District, Ul'yanovsk Province] Shkola i sel'skoe khoziaistvo; iz
opyta raboty shkol Baryshskogo raiona Ul'ianovskoi obl. Pod red.
A.E.Stavrovskogo. Moskva, Izd-vo Akademii pedagog. nauk RSFSR,
1956. 19 p.
(Barysh District--Agriculture--Study and teaching)

KUZ'MIN, P. A.

Zamechaniye o smene ustoychivosti ustanovivshegosya dvizheniya. Kazan', truly
aviats. in-ta, 4 (1935).

SO: Mathematics in the USSR, 1917-1947
Edited by Kurosh, A. G.,
Markushevich, A. I.
Rashevskiy, P. K.
Moscow-Leningrad, 1948

KUZ'MIN, P.A.

Stability of circularity of an elastic jet . Trudy XAI 20:69-91
'48.
(Jets) (MLRA 10:6)

KUZ'MIN, P. A.

32454. Kuz'min, P. A. Novyye gazovyye probory LNIKKHa. (Doklad na konferentsii, sozv. Nauch.-issled. in-tom communal. khozyaystva Ispolkoma Lengorsoveta. May 1949 g.) Materialy po communal. khoz-vu, 1949, sb. 3 s. 12-21.

SO: LEtopis' Zhurnal'nykh Statey Vol. 44

KUZ'MIN, P.A.

Stability of circularity of a jet with a countable number of degrees
of freedom. Trudy KAI 22:3-15 '49. (MIRA 10:6)
(Jets)

USSR/Mathematics - Revolving Bodies Mar/Apr 52

"Supplement to V. A. Steklov's Case of Motion of a Heavy Solid Body Around a Motionless Point," P. A. Kuz'min, Kazan

"Pril Matemat i Mekh" Vol XVI, No 2, pp 243-245

Attempts to simplify solns of problem by V. A. Steklov (cf. "New Particular Solution of Differential Equations of Motion of a Heavy Solid Body Possessing One Motionless Point," "Transactions of Section of Phys Sci of Soc of Amateurs of Natural Sci" 1899, Vol X, No 1) and soln by S. A. Chaplygin (cf. "New

209T71

USSR/Mathematics - Revolving Bodies Mar/Apr 52
(Contd)

Particular Solution of Problem of Rotation of Solid Body Around Motionless Point" Ibid. 1903, Vol XI; Collection of Works, Vol I, 1948, OGIZ). Received 18 Dec 51.

209T71

KUZ'MIN, P. A.

KUZ'MIN, P.A.

Special cases of motion of heavy solid bodies about an immobile
point (in works of Russian scientists). Trudy KAI 27:91-121 '53.
(Motion) (Differential equations) (MIRA 10:6)

KUZ'MIN, P. A.

"A Method of Intergrating Linear Differential Equations With Constant Coefficients," Tr. Kazansk aviat. in-ta, Vol 28, 1953, pp. 75-86

The author gives a method for transforming the system

$$\frac{dx_s}{dt} = p_{s1}x_1 + \dots + p_{sn}x_n \quad (s=1, 2, \dots, n)$$

with constant coefficients into triangular form. This method is effective when the exact values of the roots of the characteristic equation are known.

RZhMat, No 3, 1955

Kuz'min, P. A.

USSR/Mathematics - Stability

Card 1/1

Author : Kuz'min, P. A.

Title : On the theory of stability of motion

Periodical : Prikl. mat. i mekh., 18, 125-127, Jan/Feb 1954

Abstract : Considers a linear system of equations of disturbed motion with variable, continuous and bounded coefficients. Uses the idea of Lyapunov functions to formulate and prove two theorems, one on stability, and the other on the asymptotic quality of stability. The article concludes with a brief application of these theorems to transformations of systems of equations.

Institution :

Submitted : November 10, 1953

KUZ'MIN, Petr Aleksayevich

KUZ'MIN, Petr Aleksayevich; PROK, Aleksandr Yudimovich; UDAL'TSOV, A.N.,
glavnnyy red.; TOLCHINSKIY, Ye.M., inzh.red.

[Device for determining the specific weight of gases. Resistance thermometer for taking the temperature of surfaces] Pribor dlja
opredelenija udel'nogo vesa gazov. Termometr soprotivlenija dlja
izmerenija temperatury poverkhnosti. Moskva, In-t tekhniko-
ekon.inform., 1956. 9 p. (Pribory i stendy. Tema 4, no. P-56-447)
(MIRA 11:2)

1. Moscow. Institut tekhniko-ekonomiceskoy informatsii.
(Gases--Measurement) (Thermometers)

AUTHOR KUZ'MIN, P.A. PA - 2219
TITLE Stability in the Case of Parametric Disturbances (*Ustoychivost' pri parametricheskikh vosmushcheniyach*).
PERIODICAL Prikladnaia Matematika i Mekhanika, 1957, Vol 21, Nr 1, pp 129-132
(U.S.S.R.)
Received 3/1957 Reviewed 5/1957
ABSTRACT The structure of the disturbances investigated here is fully determined by the field of the principal forces of the undisturbed motions. The physical origin of the disturbing forces is here connected with the disturbance of the various kinds of physical parameters, which go over into the differential equations of the motion of any material system. The totality of motions may be assumed to be described by the differential equations $dy_s/dt = f_s(t, y_1, \dots, y_n, a_1, \dots, a_n)$ ($s = 1, \dots, n$), $da_j/dt = 0$ ($j = 1, \dots, k$). The author separates a certain undisturbed motion $y_s = \varphi_s(t)$, $a_j = d_j$, and introduces the deviations $x_s = y_s - \varphi_s$, $\epsilon_j = a_j - d_j$ of all other motions that are possible in the system under investigation. By means of these substitutions a differential equation for the disturbed motion is obtained. The disturbing forces here have a strictly determined character. The above mentioned differential equations are based directly or indirectly on a satisfactory agreement with the experiment. In the case of the experiments certain disturbing forces will act even in the case of the greatest correctness of the theory, because the parameters are disturbed. The various possibilities of agree-

Card 1/2

PA - 2219

Stability in the Case of Parametric Disturbances.
ment between theory and experiment are discussed. The deliberations
made here are based on the ideas of LYAPUNOV and G.N. CHETAYEV.
The following conclusions are, among others, drawn: To satisfy the
demands of stability with disturbing forces of any structure is ob-
viously too great and too unjustified a sacrifice, because it en-
tails renouncing the mechanics of conservative systems, giving up
the model of smooth bindings, etc. The algorithmic methods for the
investigation of the stability of a motion with parametric disturb-
ances belong to those theorems which are similar to those of LYAPUNOV
(or more accurately to his second method). The problem without be-
comes more complicated. Above all a method should be developed which
is connected with the construction of definite integrals (with re-
(No illustrations)

ASSOCIATION Not given
PRESENTED BY
SUBMITTED 25. 7. 1955
AVAILABLE Library of Congress
Card 2/2

KUZ'MIN, P.A.

Theory of permanent rotations. Izv. vys. ucheb. zav.; av. tekhn.
no. 2:16-19 '58. (MIRA 11:6)

1. Kazanskiy aviationsionnyy institut, Kafedra teoreticheskoy
mekhaniki.

(Motion)

MATROSOV, V.M.; KUZ'MIN, P.A., doktor fiz.-matem.nauk, otv.red.;
YEVGRAFOVA, L.N., otv.za vypusk

[Stability of gyroscopic systems] K voprosu ustoichivosti
giroskopicheskikh sistem. Kazan', 1959. 23 p. (Kazan.
Aviatsionnyi institut. Trudy, vol.49) (MIRA 14:2)
(Gyroscope)

KUZ'MIN, P.A. (Kazan')

Quadratic integrals of linear mechanical systems. Prikl.mat.i
mekh. 24 no.3:575-577 My-Je'60. (MIRA 13:10)
(Differential equations, Linear)

KUZ'MIN, P. A.

"Steady-state motion of a solid body and its stability in a central gravitational field"

Report presented at the Conference on Applied Stability-of-Motion Theory and Analytical Mechanics, Kazan Aviation Institute, 6-8 December 1962

KUL'MIN, P.S.

New type of small gas injection burner. Model. "Gaz" no.23.50-
54 163. (MIRA 17/18)

AMINOV, M.Sh., red.; BOGOYAVLENSKIY, A.A., red.; KALININ, S.V.,
red.; KUZ'MIN, P.A., red.; LUR'YE, A.I., red.;
MATROSOV, V.M., red.; RUMYANTSEV, V.V., red.;
SRETENSKIY, L.N., red.

[Proceedings of the interuniversity conference on the
applied theory of the stability of motion and on analytic
mechanics] Trudy Mezhvuzovskoi konferentsii po prikladnoi
teorii ustoychivosti dvizheniya i analiticheskoi mekhanike.
Kazan', Kazanskii aviationsionnyi in-t, 1964. 144 p.

(MIRA 18:12)

1. Mezhvuzovskaya nauchnaya konferentsiya po analiticheskoy
mekhanike i ustoychivosti dvizheniya, Kazan, 1962.

KUZ'MIN, P.A.

Gurvits's theorem in the direct method of Liapunov. Trudy
KAI no.71:3-11 '62. (MIRA 18:5)

DUNDUKOV, M.D., inzhener; SAMSONOV, V.N.; KARPERKO, F.A.; KRIGER, N.I.;
KUZ'MIN, P.G., kandidat tekhnicheskikh nauk; SHELYAPIN, R.S.,
kandidat tekhn. nauk; MAKSIMOV, O.I., inzhener; MALYSHEV, M.I.,
professor; RODSHTEYN, A.G., kandidat tekhn.nauk; GOL'DSHTEYN, M.N.
professor; ABELEV, Yu.M., professor.

Discussion of the problem of building on coarsely porous settling
soils. Stroi. prom. 33 no. 5:40-45 My '55. (MLRA 8:6)
(Soil mechanics)

7/23/00 - F-3-
KUZ'MIN, P.G., kand. tekhn. nauk, dots.

Calculating the deformations of foundation beds for multistoried
buildings and comparing them with results of natural observations.
Sbor. trud. MIFI no.14:57-115 '56. (MLRA 10:9)
(Foundations)

KUZNETS, P. G., Cand. Techn., Noveye Peschaniye, KGB 3rd GR, and POLIKARPOV, B. P.,
Cand. Techn., Scientific Research Institute of Soil Mechanics
and Foundations, Moscow, and YANOVSKY, N. A., Cand. Techn.,
Scientific Research Institute of Soil Mechanics and Foundations

"The Observed Settlements of Buildings as Compared with Preliminary Calculations," a paper submitted at the 4th International Conference of the International Society of Soil Mechanics and Foundation Engineering, London, 12-24 Aug 57.

KUZMIN, I. G.

124-58-9-10407

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 143 (USSR)

AUTHORS: Yegorov, K. Ye., Popov, B. P., Kuz'min, P. G.

TITLE: Actual Settling of Tall Buildings and Its Comparison With Calculated Values (Fakticheskiye osadki vysotnykh zdaniy i srovneniye ikh s raschetnymi)

PERIODICAL: V sb.: Materialy k 4-mu Mezhdunar. kongressu po mekhan. gruntov i fundamentostr., Moscow, AN SSSR, 1957, pp 88-99

ABSTRACT: Bibliographic entry

1. Structures--Stability 2. Mathematics--Applications

Card 1/1

TSYTOVICH, N.A., prof.; VESELOV, V.A., dotsent, kand.tekhn.nauk; KUZ'MIN,
* P.G., dotsent, kand.tekhn.nauk; FERRONSKIY, V.I., kand.tekhn.
nauk, assistent; PILYUGIN, A.I., kand.tekhn.nauk, assistent;
LUGA, A.A., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; SOKO-
LOV, N.M., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; SAVINOV,
O.A., doktor tekhn.nauk; KOSTERIN, E.V., kand.tekhn.nauk, assistent.
Prinimali uchastiye: AKINSHIN, V.M.; MARTSENYUK, V.I., starshiy
laborant. VASIL'YEV, B.D., prof., doktor tekhn.nauk, retsenzent;
BEREZANTSEV, V.G., prof., doktor tekhn.nauk, retsenzent; LAGAR'KOV,
N.I., inzh., nauchnyy red.; SMIRNOVA, A.P., red.izd-va; NAUMOVA,
G.D., tekhn.red.

[Foundation engineering] Osnovaniia i fundamenti. Pod red. N.A.
TSytovicha. Gos.izd-vo lit-ry po stroit., arkhit. i
stroit.materialam, 1959. 452 p. (MIRA 13:5)

1. Chlen-korrespondent AN SSSR (for TSytovich).
2. Zaveduyushchiy
laboratoriyy kafedry osnovaniy i fundamentov Moskovskogo inzhe-
neric-stroitel'nogo instituta imeni V.V.Kuybysheva (for Akinshin).
3. Zaveduyushchiy kafedroy osnovaniy i fundamentov Leningradskogo
instituta inzhenerov zheleznodorozhnogo transporta imeni akademika
V.N.Obraztsova (for Berezantsev).

(Foundations) (Soil mechanics)

KUZ'MIN, Petr Gavrilovich; FERRONSKIY, Vasiliy Ivanovich;
DALMATOV, B.I., prof., doktor tekhn. nauk, retsenzent;
BORODINA, N.N., red.; CHIZHEVSKIY, E.M., tekhn.red.

[Designing foundations for limiting states] Proektirovaniye fundamentov po predel'nym sostoiamiam. n.p. Rosvuz-izdat, 1963. 66 p. (MIRA 17:1)

1. Leningradskiy inzhenerno-stroitel'myy institut (for Dalmatov).

KUZ'MIN, Petr Ivanovich; RAKOVSKIY, M.Ye., redaktor; VORONIN, K.P.,
tekhnicheskij redaktor

[Selection and calculation of throttles for control units] Vybor
i raschet drossel'nykh reguliruiushchikh organov. Moskva, Gos.
energ. izd-vo, 1956. 111 p.
(Heat engineering) (Automatic control) (MIRA 9:9)

Kuz'min, P.I.

AUTHOR: Kuz'min, P.I. 127-58-1-19/28
TITLE: Snow Fences With an Active Effect (Snegozashchitnyye ustroystva aktivnogo deystviya)
PERIODICAL: Gornyy Zhurnal, 1958, Nr 1, pp 69-71 (USSR)
ABSTRACT: Fences with an "active" principle of action are extensively used in the Noril'sk Combine for the protection of railways and highways from snow-drifts. The principle of action of these fences is increasing the speed of snow flux by a compression plane, and thus blowing the snow off the road bed. The best effect of such fences is observed in winds with velocities exceeding 8 m/sec. The author describes various types of these snow fences and gives results of their effect established during the last two winters. It was established that the road beds remained clear during snow-storms blowing from various directions; the snow was carried 6 to 8 m away from the fence and settled beyond the limits of the road. The author concludes that these fences should be used widely for the protection of open mines.
Card 1/2 The article contains 4 photos and 2 diagrams.

Snow Fences With an Active Effect

127-58-1-19/28

ASSOCIATION: Noril'skiy gorno-metallurgicheskiy kombinat (Noril'sk Mining-Metallurgical Combine)

AVAILABLE: Library of Congress

Card 2/2 1. Snow fences-Effectiveness 2. Snow fences-Applications

PHASE I BOOK EXPLOITATION

SOV/5050

Kuz'min, Petr Ivanovich

Vybor i raschet drossel'nykh reguliruyushchikh organov (Selection and Design of Throttle Controlling Devices) 2d rev. and enl. ed. Moscow, Gosenergoizdat, 1960. 160 p. 7,000 copies printed.

Ed.: A. S. Meleyev; Tech. Ed.: G. Ye. Larionov.

PURPOSE: This book is intended for engineering and technical personnel concerned with problems of automatic control of technological processes.

COVERAGE: The book discusses the theoretical principles and design methods of throttle controlling devices with consideration of the operating mass-flow rate characteristics. The characteristics of some of the most widespread designs of control devices are given. Calculation examples and nomograms are presented which facilitate the computations. This edition of the book, the second, has been supplemented with a description of a whole series of new control valves, the characteristics of which were published during the last two

Card 1/5

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000928020

KUZ'MIN, P.I.

Increasing the effectiveness of wind-control snow fences. Avt. dor.
23 no. 10:20-21 0 '60. (MIRA 13:10)
(Snow fences)

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000928020C

KUZ'MIN, P.I.

Protecting highways from fog. Avt.dor. 23 no.11:26 N'60.
(MIRA 13:11)
(Roads) (Fog)

KUZ'MIN, P.I.

Increase the effectiveness of latticed snow fences. Art. dor.
23 no. 12:14-15 D '60. (MIRA 13:12)
(Snow fences)

KUZ'MIN, P.I.

Some problems in improving the snow retaining capacity of fixed
grill fences under polar conditions. Stroi. v raion. Vost. Sib.
i Krain. Sev. no.1:132-139 '61. (MIRA 17:11)

1. KUZ'MIN, P. K.
 2. USSR (600)
 4. Grasses
 7. Mutations resembling panicgrass (*Panicum glaucum*) green foxtail (*Setaria viridis*) and barn grass (*Panicum Grus galli*) from sown millet (*Panicum miliaceum*). Agrobiologiya no. 5, 1952.
9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

KUZMIN P.K.

USSR/Cultivated Plants - Grains.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15503

Author : P.K. Kuz'min

Inst : The Mordovian Pedagogical Institute.

Title : The Effect of Stalk Density in Winter Rye and Wheat on
Their Being Choked by Weeds.
(Vliyaniye gustoty steblestoya ozimoy rzhi i pshenitsy
na ikh zasorennost').

Orig Pub : Uch. zap. Mordovsk. ped. in-t. 1956, vyp. 3, 160-172.

Abstract : Observations of the production sowing of rye, wheat,
oats, clover, alfalfa in Ul'yanovskaya Oblast' and the
Mordovian ASSR have shown the possibility of practi-
cally pure sowings when crowding the sowings up to 600-
800 stalks for every 1 square meter. In thinned out
sowings of rye (200-270 stalks per 1 square meter)

Card 1/2

USSR/Cultivated Plants - Grains.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15503

in the course of a summer one noted an uninterrupted growth of weeds such that the choking reached 20-50%; with 700-750 stalks per 1 M² the number of weeds growing (1000-1200 plants) was also sharply curtailed, with an enormous potential accumulation of weed seeds in the layer of soil 0~20 centimeters thick (9-11 thousand) the weed choking was cut to 1.1%.

Card 2/2

20

KUZ'MIN, P. P.

"Vertical Gradient of Wind Velocity and Air Temperature and Moisture over the Sea," Trudy GGI (Proceedings of the GGI) No 11, 1941.

SO: U-3039, 11 Mar 1953

KUZ'MIN, P. P.

"Absorption of Solar Energy by Snow Cover," No 5, pp 111-114.
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

KUZMIN P. P.

"Processes of Heat Exchange, Ablation and Run-off of Glaciers in the Basin of the
Zeravshan River", Trudy ZGI, No 3 (?), 1948 (51-160)

SO: U-3039, 11 Mar 1973

Keldysh, I.

"Investigations of the Processes of Snow Melting and the Physical Characteristics of Ice (Collection of Articles). Edited by P. F. Kowal'kin. Trudy ZGI, No. 7 (1), Glazmeteoizdat, Leningrad, 1946. 105 pages

SO: U-3039, 11 Mar 1953

KUZ'MIN, P. P.

28963 KUZ'MIN, P. P. Usloviya Snegotayayahiya Na Skonakh Trudy Gos. Gidrol
In- Ta. Vyp. 16, 1949, S 5-20--Bibliogr 5 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

KUZ'MIN, P. P.

28962 KUZ'MIN, P. P. Radiatsionnyy Balans Pologa Lese B Period Snegotayannya, Trudy Gos Gidrol In-Ta, Vyp, 16 1949 S. 46-73-Biblioogr: 6 Nazv.

So: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

KUZ'MIN, P. P.

"A Theoretical Scheme for Calculating the Rate of Snow Melting," Trudy of the State Institute of Hydrology, Ed., 24 (78), 1950

Oct 52

USSR/Meteorology - Snow Density

"Procedure for Determining Density of Moist Snow,"
P. P. Kuz'min, Leningrad State Hydrol Inst

"Meteorol i Gidrol" No 10, pp 47-51.

Kuz'min states that, in order to det the behavior
of thawing and the law governing thaw water under
the snow blanket, it is necessary to find the
store of the solid phase and of bound water held
within the snow and the store of gravitational
water on the surface. If water is present on the
snow's surface, the density of the solid phase

231TB7

and of the bound water within are detd by a
density meter.

231TB7

KUZ'MIN, P. P.

231TB7

PA 237T78

KUZMIN, P. P.

USSR/Geophysics - Snow Melting

Dec 52

"Concerning S. N. Bulatov's Article 'Two Works of
P.P. Kuzmin on the Calculation of Snow Melting,'
Cand Geog Sci P. P. Kuzmin, Leningrad State In-
stitute of Hydrology

"Meteorol i Gidrol" No 12, pp 62-64

Kuzmin defends his article which was criticized
in a previous issue (ibid. No 4, 1952) by Bulatov.

237T78

KUZ'MIN, P.P., kand.geograf.nauk; SHATILINA, M.K., otd.red.; SOLOVEYCHIK, A.A.,
tekhn.red.

[Effect of forests on the thawing of snow] Vliianie lesa na
snegotaianie. Leningrad. Gidrometeor.izd-vo 1954. 67 p. (Leningrad.
Gosudarstvennyi gidrologicheskii institut. Trudy, no.42)
(MIRA 12:1)

(Thawing) (Forest influences)

KUZ'MIN, P.P. and SHAMILINA, M.K.

"Influence of Forest on Snow Thaw," Trudy Gosudarstvennogo Gidrologicheskogo Instituta (Works of the State Hydrological Institute), No 42(96), 1954, Leningrad (Responsible Editor: M.K. Shamilina; Author of monograph: P.P. Kuz'min, Candidate of Geographical Sciences).

KUZ MIN, P.P.

KUZ MIN, P.P.

Aqueous properties of snow. Trudy GGI no.55:41-69 '56.
(MLRA 10:5)
(Snow)

KUZ'MIN, P.P.

Intensity of snow melt in larch forests. Trudy GGI no.55:121-162
'56. (MLRA 10:5)
(Snow) (Forest influences) (Runoff)

KUZ'MIN, Prokofiy Pavlovich

KUZ'MIN, Prokofiy Pavlovich; SPENGLER, O.A., kand.geogr.nauk, otvetstvennyy
red.; STRUZZER, L.R., kand.fiz.-mat.nauk, otvetstvennyy red.;
GROSMAN, R.V., red.; VLADIMIROV, O.G., tekhn.red.

[Physical properties of the snow cover] Fizicheskie svoistva
snezhnogo pokrova. Leningrad, Gidrometeor.izd-vo, 1957. 178 p.
(MIRA 10:12)

(Snow)

KUZ'MIN, P.P.

Formula for approximate estimation of the thawing intensity of
snow and its application in studying the course of thawing in
the European part of the U.S.S.R. Trudy GGI no.65:5-29 '58.
(MIRA 12:1)

(Thawing)

KUZ'MIN, P.P.

Investigating the loss of water from snow by the use of radioactive cobalt. Trudy GOI no.65:30-53 '58. (MIRA 12:1)
(Thawing) (Cobalt—Isotopes)

Kuz'min, P.P.

- СТУДИЯ
- 3(1,7) [Candidate of Technical Sciences, Institute of Hydrometeorology, Leningrad, 1957.]
- Вестник гидрометеорологии и гидрологии, 2-я серия, № 1, 1957. Труды III научно-практической конференции по гидрометеорологии и гидрологии (гидропараллелии). Ученые Радио-гидрометеорологической станции. Вып. 1. Курортный Советник, в. 1959. 170 с. Ещё одна копия имеется.
- Ред. кн.: В.А. Урсулев; ред.: В.В. Протопопов; техн. ред.: Н.Н. Багинина.
- Спонсор: Гидрометроприволжье гидрометеорологическая и гидрологическая служба при Совете Министров РСФСР.
- Цена: 2,000 copies printed.
- Содержание: Гидрометроприволжье гидрометеорологическая и гидрологическая служба particularly those engaged in the study of snow and ice and evaporation processes.
- ПОДСКАЗКА: This work is intended for meteorologists, hydrologists, and hydrogeologists particularly those engaged in the study of snow and ice and evaporation processes.
- ПОДСКАЗКА: This book contains papers on hydrology which were presented and discussed at the Third All-Union Hydrological Conference in Leningrad, October 1957. The Conference published 10 volumes on various aspects of hydrology of which this is number 3. The editorial board in charge of the series include V. A. Urvarev (Chairman), O. A. Alekin, Ye. V. Bilyayev (deceased), O. M. Borsuk, N. A. Vasil'yanov, L. K. Davydov, A. P. Domantsev, G. F. Kainulin, S. N. Krivtsov, B. I. Kudelin, L. P. Manzini, N. P. Menko, B. P. Orlov, I. V. Popov, A. K. Prokuryakov, D. L. Sokolovskiy, O. A. Spenger, A. I. Chabotarev, and S. K. Cherkavskiy. This volume is divided into 2 sections: the first contains reports from the subsection for the study of evaporation processes, and the second contains reports from the snow and ice subsection. References accompany each article.
- Будниковский А.Л. [Candidate of Technical Sciences, Institute of Geography, Moscow] Evaporation From the Surface of a Vegetation Cover 125
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KUZ'MIN, Prokofiy Pavlovich; SPENGLER, O.A., otv.red.; PROTOPOPOV,
V.S., red.; VLADIMIROV, O.G., tekhn.red.

[Formation of the snow cover and methods of determining the
snow supply] Formirovanie snezhnogo pokrova i metody opredes-
leniya snegozapasov. Leningrad, Gidrometeor.izd-vo, 1960.
169 p.

(MIRA 13:7)

(Snow surveys)

KUZ'MIN, Prokopyay Pavlovich; ROMANOV, V.V., kand. tekhn. nauk, otv.
red.; DERYUGINA, V.N., red.; BRAYNINA, M.I., tekhn. red.

[The process of the melting of snow] Protsess tianiia snezhnogo
pokrova. Leningrad, Gidrometeor.izd-vo, 1961. 344 p.
(MIRA 15:1)

(Thawing) (Snow)